CERN School of Computing 2019

Sunday 15 September 2019 - Saturday 28 September 2019

Babeș-Bolyai University

Academic programme
The complete programme will offer more than 50 hours of lectures and hands-on exercises. The programme is organized over three distinct tracks: Physics Computing, Software Engineering, and Data Technologies.

**Physics Computing**

- **Introduction to Physics Computing**
  *by Arnulf Quadt (University of Göttingen)*
  2h lectures

- **Data Analysis**
  *by Ivica Puljak (University of Split)*
  4h lectures + 3h exercises

- **Machine Learning** (TBC)

**Software Engineering**

- **Software Design in the Many-Cores Era**
  *by Danilo Piparo (CERN) and Enric Tejedor (CERN)*
  4h lectures + 3h exercises

- **Tools and Techniques**
  *by Bob Jacobsen (UC Berkeley)*
  2h lectures + 6h exercises

- **Creating Secure Software**
  *by Sebastian Lopienski (CERN)*
  3h lectures + 3h exercises

**Data Technologies**

- **Data Management**
  *by Alberto Pace (CERN)*
  5h lectures

- **Data and Storage Technologies**
  *by Andreas J. Peters (CERN)*
  1h lecture + 4h exercises

- **Data Visualization**
  *by Eamonn Maguire (Pictet Asset Management)*
  2h lectures + 2h exercises

- **Networking Performance**
  *by Francois Fluckiger (CERN)*
  2h lectures

**Special Talks**

On top of the academic programme of the School, there are two additional, special evening talks given by CSC lecturers.

- **When Internet history meets philosophy**
  *by Francois Fluckiger (CERN)*

- **Future of the Universe and of Humanity**
  *by Ivica Puljak (University of Split)*